



**PERMIT**  
**Under the Environmental Conservation Law (ECL)**

**IDENTIFICATION INFORMATION**

Permit Type: Air State Facility  
Permit ID: 7-1122-00161/00001  
Effective Date: 11/14/2008                      Expiration Date: No expiration date

Permit Issued To: EMPIRE AGRIFUEL LLC  
3893 US RTE 11  
PO BOX 5668  
CORTLAND, NY 13045-5668

Contact: MASON H SOMERVILLE  
EMPIRE AGRIFUEL LLC  
3893 US RTE 11  
CORTLAND, NY 13045  
(315) 534-2351

Facility: EMPIRE AGRIFUEL  
3893 US RTE 11  
CORTLANDVILLE, NY

**Description:**

Facility operations include a 10 million gpy biodiesel processing facility utilizing either canola or soy oil. Depending upon the oilseed used, the co-located crushing facility will provide approximately 40 to 130% of the feedstock oil to the biodiesel plant. The crushing facility will be capable of processing up to 600 tpd of seed.

Processes for seed crushing and oil extraction include grain handling and storage operations for the soy or canola beans, cleaning, cracking or flaking, dry heating, oil extraction with expanders and expellers, meal and vegetable oil storage.

Processes for biodiesel production include vegetable oil, caustic and methanol storage, mixers, reactors, and product separation and recovery, and glycerin and biodiesel storage.

The facility also operates two 16 MMBtu/hr boilers capable of firing natural gas (primary fuel), no. 2 fuel oil or biodiesel.



By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator:           MICHAEL K BARYLSKI  
  DIVISION OF ENVIRONMENTAL PERMITS  
  1285 FISHER AVE  
  CORTLAND, NY 13045-1090

Authorized Signature: \_\_\_\_\_ Date: \_\_\_ / \_\_\_ / \_\_\_\_\_



### Notification of Other State Permittee Obligations

**Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification**

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

**Item B: Permittee's Contractors to Comply with Permit**

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

**Item C: Permittee Responsible for Obtaining Other Required Permits**

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

**Item D: No Right to Trespass or Interfere with Riparian Rights**

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



## **LIST OF CONDITIONS**

### **DEC GENERAL CONDITIONS**

#### **General Provisions**

Facility Inspection by the Department  
Relationship of this Permit to Other Department Orders and  
Determinations  
Applications for permit renewals, modifications and transfers  
Permit modifications, suspensions or revocations by the Department

#### **Facility Level**

Submission of application for permit modification or renewal-REGION 7  
SUBOFFICE - CORTLAND



**DEC GENERAL CONDITIONS**  
**\*\*\*\* General Provisions \*\*\*\***  
**GENERAL CONDITIONS - Apply to ALL Authorized Permits.**

**Condition 1: Facility Inspection by the Department**  
**Applicable State Requirement: ECL 19-0305**

**Item 1.1:**

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

**Item 1.2:**

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

**Item 1.3:**

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

**Condition 2: Relationship of this Permit to Other Department Orders and Determinations**  
**Applicable State Requirement: ECL 3-0301.2(m)**

**Item 2.1:**

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

**Condition 3: Applications for permit renewals, modifications and transfers**  
**Applicable State Requirement: 6NYCRR 621.11**

**Item 3.1:**

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

**Item 3.2:**

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

**Item 3.3:**

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be



submitted prior to actual transfer of ownership.

**Condition 4: Permit modifications, suspensions or revocations by the Department**  
**Applicable State Requirement: 6NYCRR 621.13**

**Item 4.1:**

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

**\*\*\*\* Facility Level \*\*\*\***

**Condition 5: Submission of application for permit modification or renewal-REGION 7**  
**SUBOFFICE - CORTLAND**  
**Applicable State Requirement: 6NYCRR 621.6(a)**

**Item 5.1:**

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator  
Region 7 Sub-office  
Division of Environmental Permits  
1285 Fisher Avenue  
Cortland, NY 13045-1090  
(607) 753-3095



**Permit Under the Environmental Conservation Law (ECL)**

**ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY  
PERMIT**

**IDENTIFICATION INFORMATION**

Permit Issued To:EMPIRE AGRIFUEL LLC  
3893 US RTE 11  
PO BOX 5668  
CORTLAND, NY 13045-5668

Facility: EMPIRE AGRIFUEL  
3893 US RTE 11  
CORTLANDVILLE, NY

Authorized Activity By Standard Industrial Classification Code:  
2075 - SOYBEAN OIL MILLS  
2869 - INDUSTRIAL ORGANIC CHEMICALS,NEC

Permit Effective Date: 11/14/2008  
date.

Permit Expiration Date: No expiration  
date.



## LIST OF CONDITIONS

### DEC GENERAL CONDITIONS

#### General Provisions

Facility Inspection by the Department  
Relationship of this Permit to Other Department Orders and Determinations  
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Permit modifications, suspensions or revocations by the Department

#### Facility Level

Submission of application for permit modification or renewal-REGION 7  
SUBOFFICE - CORTLAND

### FEDERALLY ENFORCEABLE CONDITIONS

#### Facility Level

- 2 6NYCRR 201-7: Facility Permissible Emissions
- \*3 6NYCRR 201-7: Capping Monitoring Condition
- 4 6NYCRR 212.6(a): Compliance Demonstration
- 1 40CFR 60.115b(a), NSPS Subpart Kb: Compliance Demonstration

#### Emission Unit Level

#### EU=1-BDSL

- 45 6NYCRR 212.4(a): Compliance Demonstration
- 44 6NYCRR 236.2(c): Compliance Demonstration
- 9 40CFR 60.7(a)(1), NSPS Subpart A: Compliance Demonstration
- 10 40CFR 60.7(a)(4), NSPS Subpart A: Compliance Demonstration

#### EU=1-BDSL

- 11 40CFR 60.7(b), NSPS Subpart A: Recordkeeping requirements.
- 12 40CFR 60.7(f), NSPS Subpart A: Facility files for subject sources.
- 13 40CFR 60.7(g), NSPS Subpart A: Notification Similar to State or Local Agency
- 14 40CFR 60.8(b), NSPS Subpart A: Performance Test Methods - Waiver EU Level
- 15 40CFR 60.8(c), NSPS Subpart A: Required performance test information.
- 16 40CFR 60.8(d), NSPS Subpart A: Prior notice.
- 17 40CFR 60.9, NSPS Subpart A: Availability of information.
- 18 40CFR 60.12, NSPS Subpart A: Circumvention.
- 42 40CFR 60, NSPS Subpart VVa: Compliance Demonstration
- 43 40CFR 60, NSPS Subpart RRR: Compliance Demonstration
- 5 40CFR 65.3, Subpart A: Compliance Demonstration
- 6 40CFR 65.4, Subpart A: Compliance Demonstration
- 7 40CFR 65.5, Subpart A: Compliance Demonstration
- 8 40CFR 65.6, Subpart A: Compliance Demonstration
- 19 40CFR 65.62, Subpart D: Compliance Demonstration
- 20 40CFR 65.63(a), Subpart D: Compliance Demonstration
- 21 40CFR 65.63(c), Subpart D: Compliance Demonstration
- 22 40CFR 65.63(d), Subpart D: Compliance Demonstration
- 23 40CFR 65.63(e), Subpart D: Compliance Demonstration
- 24 40CFR 65.63(f), Subpart D: Compliance Demonstration
- 25 40CFR 65.66, Subpart D: Compliance Demonstration



- 26 40CFR 65.67, Subpart D: Compliance Demonstration
- 27 40CFR 65.103, Subpart F: Compliance Demonstration
- 28 40CFR 65.104, Subpart F: Compliance Demonstration
- 29 40CFR 65.105, Subpart F: Compliance Demonstration
- 30 40CFR 65.106, Subpart F: Compliance Demonstration
- 31 40CFR 65.107, Subpart F: Compliance Demonstration
- 32 40CFR 65.108, Subpart F: Compliance Demonstration
- 33 40CFR 65.109, Subpart F: Compliance Demonstration
- 34 40CFR 65.110, Subpart F: Compliance Demonstration
- 35 40CFR 65.111, Subpart F: Compliance Demonstration
- 36 40CFR 65.112, Subpart F: Compliance Demonstration
- 37 40CFR 65.113, Subpart F: Compliance Demonstration
- 38 40CFR 65.114, Subpart F: Compliance Demonstration
- 39 40CFR 65.115, Subpart F: Compliance Demonstration
- 40 40CFR 65.119, Subpart F: Compliance Demonstration
- 41 40CFR 65.120, Subpart F: Compliance Demonstration

**EU=1-BDSLP,Proc=BPA**

- 46 40CFR 60, NSPS Subpart NNN: Compliance Demonstration

**EU=1-BDSLP,Proc=STG**

- 47 40CFR 60.112b(a), NSPS Subpart Kb: Standards for VOCs.

**EU=1-BDSLP,Proc=STG,ES=MSTR1**

- 48 40CFR 60.112b(a)(1), NSPS Subpart Kb: VOC standard for volatile organic liquid storage vessels equipped with a fixed roof in combination with a internal floating roof
- 49 40CFR 60.113b(a)(1), NSPS Subpart Kb: Compliance Demonstration
- 50 40CFR 60.113b(a)(2), NSPS Subpart Kb: Compliance Demonstration
- 51 40CFR 60.113b(a)(3), NSPS Subpart Kb: Compliance Demonstration
- 52 40CFR 60.113b(a)(4), NSPS Subpart Kb: Compliance Demonstration
- 53 40CFR 60.113b(a)(5), NSPS Subpart Kb: Compliance Demonstration
- 54 40CFR 60.116b(a), NSPS Subpart Kb: Compliance Demonstration
- 55 40CFR 60.116b(b), NSPS Subpart Kb: Compliance Demonstration

**EU=1-BOILS**

- 67 6NYCRR 227-1.3(a): Compliance Demonstration
- 68 6NYCRR 227-1.5: Multiple fuels particulate matter emission rate.
- 56 40CFR 60.7(a)(3), NSPS Subpart A: Compliance Demonstration

**EU=1-BOILS**

- 57 40CFR 60.42c(d), NSPS Subpart Dc: Compliance Demonstration
- 58 40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.
- 59 40CFR 60.42c(i), NSPS Subpart Dc: Compliance Demonstration
- 60 40CFR 60.43c(e)(4), NSPS Subpart Dc: Compliance Demonstration
- 61 40CFR 60.44c(h), NSPS Subpart Dc: Compliance Demonstration
- 62 40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.
- 63 40CFR 60.48c(a), NSPS Subpart Dc: Compliance Demonstration
- 64 40CFR 60.48c(f)(1), NSPS Subpart Dc: Compliance Demonstration
- 65 40CFR 60.48c(g)(2), NSPS Subpart Dc: Compliance Demonstration
- 69 40CFR 60.48c(i), NSPS Subpart Dc: Compliance Demonstration
- 66 40CFR 60.48c(j), NSPS Subpart Dc: Reporting period



**EU=1-CRUSH**

70 6NYCRR 212.4(c): Compliance Demonstration

**STATE ONLY ENFORCEABLE CONDITIONS**

**Facility Level**

71 ECL 19-0301: Contaminant List

72 6NYCRR 201-1.4: Unavoidable noncompliance and violations

73 6NYCRR 201-5: Emission Unit Definition

74 6NYCRR 211.2: Air pollution prohibited

75 6NYCRR 211.2: Compliance Demonstration

76 6NYCRR 211.2: Compliance Demonstration

**Emission Unit Level**

77 6NYCRR 201-5: Emission Point Definition By Emission Unit

78 6NYCRR 201-5: Process Definition By Emission Unit

NOTE: \* preceding the condition number indicates capping.



**FEDERALLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Sealing - 6NYCRR Part 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.



**Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.



**Item F: Recycling and Salvage - 6NYCRR Part 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Required Emission Tests - 6 NYCRR Part 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air



pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

**Item K: Visible Emissions Limited - 6 NYCRR Part 211.3**

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

**Item L: Open Fires - 6 NYCRR Part 215**

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

**Item M: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item N: Federally Enforceable Requirements - 40 CFR 70.6(b)**

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**FEDERAL APPLICABLE REQUIREMENTS**



**The following conditions are federally enforceable.**

**Condition 2: Facility Permissible Emissions  
Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 2.1:**

The sum of emissions from the emission units specified in this permit shall not equal or exceed the following

Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 000067-56-1

PTE: 19,800 pounds per year

Name: METHYL ALCOHOL

**Condition 3: Capping Monitoring Condition  
Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 201-7**

**Item 3.1:**

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6NYCRR 201-6.1(a)

**Item 3.2:**

Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

**Item 3.3:**

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Item 3.4:**

On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

**Item 3.5:**

The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of



the Act.

**Item 3.6:**

The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):

CAS No: 000067-56-1 METHYL ALCOHOL

**Item 3.7:**

Compliance Demonstration shall include the following monitoring:

Capping: Yes

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Facility-wide emissions of methanol are limited to less than 9.9 tons in any 12-month period (12 consecutive months determined on a rolling basis). Production data and methanol usage records shall be recorded monthly. This information and Department-approved emission factors and/or the most recent emission tests results shall be used to calculate monthly methanol emissions and 12-month rolling total methanol emissions.

Monitoring Frequency: MONTHLY

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 12 calendar month(s).

**Condition 4: Compliance Demonstration**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 212.6(a)**

**Item 4.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSL P

Emission Unit: 1-CRUSH

**Item 4.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

No person will cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water.



Opacity from any emission point in this emission unit may not equal or exceed 20 percent for any consecutive 6 minute period. Compliance shall be determined by opacity tests upon request of the agency.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 1: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.115b(a), NSPS Subpart Kb**

**Item 1.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

**Item 1.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep copies of all reports and records required by this section for at least two years.

The owner or operator shall submit an initial report that describes the control equipment and certifies that the control equipment meets the specifications of section 60.112b(a) and section 60.113b(a)(1). this report shall be an attachment to the notification required by section 60.7(a)(3).

The owner or operator shall keep a record of each inspection performed to monitor the condition of the internal floating roof. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).



After each inspection that finds holes or tears in the seal or seal fabric, defects in the internal floating roof, or other control equipment defects, a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel, the nature of the defects, and the type and date of each repair made.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 45: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 6NYCRR 212.4(a)**

**Item 45.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 000067-56-1 METHYL ALCOHOL

**Item 45.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Emission unit 1-BDSLPL emits methanol at an emission rate potential of less than 10 lbs/hr and an actual annual emission rate of approximately 8 tons per year. Methanol is a moderate toxic compound and, based on the current emission rate, is assigned the environmental rating B pursuant to 6 NYCRR 212.2.

Table 2 of 6 NYCRR 212.9(b) specifies that for B rated contaminants with an emission rate potential (ERP) less than 10 lbs/hr, the degree of air cleaning required shall be specified by the commissioner. At the current emission rate(s) predicted offsite ambient concentrations are below the existing annual guideline concentration (AGC) and short-term guideline concentration (SGC) listed in the Department's guideline document, DAR-1. Based on facility wide impacts at the current emission rate and pursuant to 6 NYCRR 212.4(b), no air cleaning (control) for this contaminant is required at this time.



Methanol emissions shall be included in the facility's monthly and annual emission determinations, and a summary of emissions shall be included in the facility's annual capping certification.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 12 calendar month(s).

**Condition 44: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 236.2(c)**

**Item 44.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

**Item 44.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Components subject to Federal regulations which require either an equal or more stringent leak detection and repair program (i.e., equivalent or lower definition of leak and equivalent or more frequent monitoring requirements), or equal or more stringent equipment specifications, are deemed to be in compliance with the provisions of this Part contingent on the source owner or operator complying with such Federal regulations.

The facility is subject to 40 CFR Subpart VVa, and has chosen to comply with 40 CFR Part 65, the Federal Consolidated Rule (which also applies to NESHAPs equipment leaks). This rule is believed to be equivalent to 6 NYCRR Part 236.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 9: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(a)(1), NSPS Subpart A**

**Item 9.1:**

The Compliance Demonstration activity will be performed for the facility:



The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Emission Unit: 1-BOILS

**Item 9.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of the date construction (or reconstruction as defined under 40 CFR Part 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 10: Compliance Demonstration**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(a)(4), NSPS Subpart A**

**Item 10.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Emission Unit: 1-BOILS

**Item 10.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of any physical or operational change to an



existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR Part 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 11: Recordkeeping requirements.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(b), NSPS Subpart A**

**Item 11.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 11.1:**

This Condition applies to Emission Unit: 1-BDSL P

**Item 11.2.3:**

Affected owners or operators shall maintain records of occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

**Condition 12: Facility files for subject sources.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(f), NSPS Subpart A**

**Item 12.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 12.1:**

This Condition applies to Emission Unit: 1-BDSL P

**Item 12.2.3:**



The following files shall be maintained at the facility for all affected sources: all measurements, including continuous monitoring systems, monitoring device, and performance testing measurements; all continuous monitoring system evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part, recorded in permanent form suitable for inspection. The file shall be maintained for at least two years following the date of such measurements, reports, and records.

**Condition 13: Notification Similar to State or Local Agency**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(g), NSPS Subpart A**

**Item 13.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 13.1:**

This Condition applies to Emission Unit: 1-BDSLPL

**Item 13.2.3:**

If notification substantially similar to that in 40 CFR Part 60.7(a) is required by any other State or local agency, sending the Administrator a copy of that notification will satisfy the requirements of 40 CFR Part 60.7(a).

**Condition 14: Performance Test Methods - Waiver EU Level**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.8(b), NSPS Subpart A**

**Item 14.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 14.1:**

This Condition applies to Emission Unit: 1-BDSLPL

**Item 14.2.3:**

Performance testing shall be conducted in accordance with the methods and procedures prescribed in 40 CFR Part 60 unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternate method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors.



**Condition 15: Required performance test information.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.8(c), NSPS Subpart A**

**Item 15.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 15.1:**

This Condition applies to Emission Unit: 1-BDSLPL

**Item 15.2.3:**

Performance tests shall be conducted under such conditions specified by the Administrator, based upon representative performance data supplied by the owner or operate of the facility.

**Condition 16: Prior notice.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.8(d), NSPS Subpart A**

**Item 16.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 16.1:**

This Condition applies to Emission Unit: 1-BDSLPL

**Item 16.2.3:**

The owner or operator shall provide the Administrator with prior notice of any performance test at least 30 days in advance of testing.

**Condition 17: Availability of information.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.9, NSPS Subpart A**

**Item 17.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 17.1:**

This Condition applies to Emission Unit: 1-BDSLPL



**Item 17.2.3:**

The availability to the public of information provided to, or otherwise obtained by, the Administrator under this part shall be governed by part 2 of this chapter.

**Condition 18: Circumvention.**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.12, NSPS Subpart A**

**Item 18.1:**

This Condition applies to:

Emission Unit: 1BOILS

**Item 18.1:**

This Condition applies to Emission Unit: 1-BDSLPL

**Item 18.2.3:**

No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.

**Condition 42: Compliance Demonstration**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart VVa**

**Item 42.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

**Item 42.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Use of the Consolidated Rule

(1) Pursuant to 40 CFR 60.480a(e), alternative means of compliance, owners or operators may choose to comply with the provisions of 40 CFR part 65, subpart F, to satisfy the requirements of §§60.482; 1a through 60.487a for an affected facility. When choosing to comply with 40 CFR part 65, subpart F, the requirements of §§60.485a(d), (e), and (f), and 60.486a(i) and (j) still apply. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR



65.1.

(2) Part 60, subpart A. Owners or operators who choose to comply with 40 CFR part 65, subpart F must also comply with §§60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for that equipment. All sections and paragraphs of subpart A of this part that are not mentioned in this paragraph (e)(1)(ii) do not apply to owners or operators of equipment subject to this subpart complying with 40 CFR part 65, subpart F, except that provisions required to be met prior to implementing 40 CFR part 65 still apply. Owners and operators who choose to comply with 40 CFR part 65, subpart F, must comply with 40 CFR part 65, subpart A.

(3) As noted in 1 above, the requirements of §§60.485a(d), (e), and (f), and 60.486a(i) and (j) still apply to this facility as follows:

§60.485a(d) The owner or operator shall test each piece of equipment unless he demonstrates that a process unit is not in VOC service, i.e., that the VOC content would never be reasonably expected to exceed 10 percent by weight. For purposes of this demonstration, the following methods and procedures shall be used:

(1) Procedures that conform to the general methods in ASTM E260; 73, 91, or 96, E168; 67, 77, or 92, E169; 63, 77, or 93 (incorporated by reference; see §60.17) shall be used to determine the percent VOC content in the process fluid that is contained in or contacts a piece of equipment.

(2) Organic compounds that are considered by the Administrator to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid.

(3) Engineering judgment may be used to estimate the VOC content, if a piece of equipment had not been shown previously to be in service. If the Administrator disagrees with the judgment, paragraphs (d)(1) and (2) of this section shall be used to resolve the disagreement.

§60.485a(e) The owner or operator shall demonstrate that a piece of equipment is in light liquid service by showing that all the following conditions apply:

(1) The vapor pressure of one or more of the organic components is greater than 0.3 kPa at 20 °C (1.2 in. H<sub>2</sub>O at 68 °F). Standard reference texts or ASTM D2879; 83, 96, or 97 (incorporated by reference; see §60.17) shall be used to determine the vapor pressures.

(2) The total concentration of the pure organic components having a vapor pressure greater than 0.3 kPa at 20 °C (1.2



in. H<sub>2</sub>O at 68 °F) is equal to or greater than 20 percent by weight.

(3) The fluid is a liquid at operating conditions.

§60.485a(f) Samples used in conjunction with paragraphs (d), (e), and (g) of this section shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare.

§60.486a(i) The following information shall be recorded in a log that is kept in a readily accessible location for use in determining exemptions as provided in

§60.480a(d):

(1) An analysis demonstrating the design capacity of the affected facility,

(2) A statement listing the feed or raw materials and products from the affected facilities and an analysis demonstrating whether these chemicals are heavy liquids or beverage alcohol, and

(3) An analysis demonstrating that equipment is not in VOC service.

§60.486a(j) Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log that is kept in a readily accessible location.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 43: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60, NSPS Subpart RRR**

**Item 43.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

**Item 43.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Use of the Consolidated Federal Rule

(1) Pursuant to 40 CFR 60.700(d), alternative means of compliance, owners or operators of process vents that are subject to this subpart may choose to comply with the



provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.702 through 60.705 and 60.708. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(2), (4), and (8) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.

(2) Part 60, subpart A. Owners or operators who choose to comply with 40 CFR part 65, subpart D, must also comply with §§60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those process vents. All sections and paragraphs of 40 CFR Part 60, Subpart A that are not mentioned in this paragraph do not apply to owners or operators of process vents complying with 40 CFR part 65, subpart D. Owners and operators who choose to comply with 40 CFR part 65, subpart D, must comply with 40 CFR part 65, subpart A.

(3) Compliance date. Owners or operators who choose to comply with 40 CFR part 65, subpart D at initial startup shall comply with paragraphs (d)(1) and (2) of this section for each vent stream on and after the date on which the initial performance test is completed, but not later than 60 days after achieving the maximum production rate at which the affected facility will be operated, or 180 days after the initial startup, whichever date comes first.

(4) Initial startup notification. Each owner or operator subject to the provisions of this subpart that chooses to comply with 40 CFR part 65, subpart D, at initial startup shall notify the Administrator of the specific provisions of 40 CFR 65.63(a)(1), (2), or (3), with which the owner or operator has elected to comply. Notification shall be submitted with the notifications of initial startup required by 40 CFR 65.5(b).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 5: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.3, Subpart A**

**Item 5.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P



**Item 5.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must comply with 40 CFR 65.3 in entirety.

(a) (1) Except as provided in paragraph (2) of this condition, the emission standards and established parameter ranges of this part shall apply at all times except during periods of startup, shutdown (as defined in §65.2), malfunction, or nonoperation of the regulated source (or specific portion thereof) resulting in cessation of the emissions to which this part applies. However, if a startup, shutdown, malfunction, or period of nonoperation of one portion of a regulated source does not affect the ability of a particular emission point to comply with the specific provisions to which it is subject, then that emission point shall still be required to comply with the applicable provisions of this part during the startup, shutdown, malfunction, or period of nonoperation. For example, if there is an over pressure in the reactor area, a storage vessel in a chemical manufacturing process unit would still be required to be controlled.

(2) The equipment leak provisions of 40 CFR 65.106 through 65.118 shall apply at all times except during periods of startup or shutdown (as defined in §65.2), malfunction, process unit shutdown (as defined in §65.2), or nonoperation of the regulated source (or specific portion thereof) in which the lines are drained and depressurized resulting in cessation of the emissions to which subpart F of this part applies.

(3) During startups, shutdowns, and malfunctions when the emission standards of this part do not apply pursuant to paragraphs (a)(1) and (2) of this section, the owner or operator shall implement, to the extent reasonably available, measures to prevent or minimize emissions in excess of those that would have occurred if there were no startup, shutdown, or malfunction and the owner or operator complied with the relevant provisions of this part. The measures to be taken may include, but are not limited to, air pollution control technologies, recovery technologies, work practices, pollution prevention, monitoring, and/or changes in the manner of operation of the regulated source. Backup control devices are not required but may be used if available. This paragraph (a)(3) does not apply to Group 2A or Group 2B process vents.



(4) Malfunctions shall be corrected as soon as practical after their occurrence. This paragraph (a)(4) does not apply to Group 2A or Group 2B process vents.

(5) Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

(b) Compliance determination procedures. (1) Parameter monitoring: Compliance with operating conditions. The parameter monitoring data for emission points that are required to perform continuous monitoring shall be used to determine compliance with the required operating conditions for the monitored control devices or recovery devices. For each excursion, except for excused excursions and as provided for in paragraph (b)(2) of this condition, the owner or operator shall be deemed to have failed to have applied the control in a manner that achieves the required operating conditions. Excused excursions are provided for in 40 CFR §65.156(d)(2).

(2) Parameter monitoring: Excursions. If the conditions of paragraph (b)(2)(i) or (ii) of this condition (below) are met, an excursion is not a violation and, in cases where continuous monitoring is required, the excursion does not count toward the number of excused excursions. Nothing in this paragraph (b)(2) shall be construed to allow or excuse a monitoring parameter excursion caused by any activity that violates other applicable provisions of this part.

(i) During periods of startup, shutdown, or malfunction (and the source is operated during such periods in accordance with §65.3(a)(3)), a monitoring parameter is outside its established range or monitoring data cannot be collected; or

(ii) During periods of nonoperation of the regulated source or portion thereof (resulting in cessation of the emissions to which the monitoring applies).

(3) Operation and maintenance procedures. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan, if applicable, required in §65.6(a), as applicable), review of operation and maintenance records, inspection of the regulated source, and alternatives approved as specified in §65.7.



(4) Emissions standards. Paragraphs (b)(4)(i) and (ii) of this section shall govern the use of data, tests, and requirements to determine compliance with emissions standards. Paragraphs (b)(4)(i) and (ii) do not apply to Group 2A or Group 2B process vents. Compliance with design, equipment, work practice, and operational standards, including those for equipment leaks, shall be determined according to paragraph (b)(5) of this section.

(i) Performance test. The Administrator will determine compliance with emission standards of this part based on the results of performance tests conducted according to the procedures specified in subpart G of this part, unless otherwise specified in a subpart of this part.

(ii) Operation and maintenance requirements. The Administrator will determine compliance with emission standards of this part by evaluation of an owner or operator's conformance with operation and maintenance requirements, including the evaluation of monitoring data, as specified in subparts of this part.

(5) Design, equipment, work practice, or operational standards. Paragraphs (b)(5)(i) and (ii) do not apply to Group 2A or Group 2B process vents.

(i) Records and inspection. The Administrator will determine compliance with design, equipment, work practice, or operational standards by review of records, inspection of the regulated source, and other procedures specified in this part.

(ii) Operation and maintenance. The Administrator will determine compliance with design, equipment, work practice, or operational standards by evaluation of an owner or operator's conformance with operation and maintenance requirements as specified in paragraph (a) of this section, in other subparts of this part, and in applicable provisions of §65.6(b).

(c) Finding of compliance. The Administrator will make a finding concerning a regulated source's compliance with an emission standard, design standard, work practice, operational standard or operating and maintenance requirement as specified in paragraphs (a) and (b) of this section upon obtaining all the compliance information required by the relevant standard (including the written reports of performance test results, monitoring results, and other information, if applicable) and any information available to the Administrator needed to determine whether proper operation and maintenance practices are being used. Standards in this part and methods of determining



compliance are given in metric units followed by the equivalents in English units. The Administrator will make findings of compliance with the standards of this part using metric units.

(d) Compliance times. All terms that define a period of time for completion of required tasks (for example, weekly, monthly, quarterly, annually) unless specified otherwise in the section or paragraph that imposes the requirement refer to the standard calendar periods.

(1) Notwithstanding time periods specified for completion of required tasks, time periods may be changed by mutual agreement between the owner or operator and the Administrator as specified in §65.5(h)(3) (for example, a period could begin on the compliance date or another date, rather than on the first day of the standard calendar period). For each time period that is changed by agreement, the revised period applies until it is changed. A new request is not necessary for each recurring period.

(2) When the period specified for compliance is a standard calendar period, if the initial compliance date occurs after the beginning of the period, compliance shall be required according to the schedule specified in the following paragraphs, as appropriate:

(i) Compliance shall be required before the end of the standard calendar period within which the compliance deadline occurs if there remain at least 3 days for tasks that must be performed weekly, at least 2 weeks for tasks that must be performed monthly, at least 1 month for tasks that must be performed each quarter, or at least 3 months for tasks that must be performed annually; or

(ii) In all other cases, compliance shall be required before the end of the first full standard calendar period after the period within which the initial compliance deadline occurs.

(3) In all instances where a provision requires completion of a task during each of multiple successive periods, an owner or operator may perform the required task at any time during the specified period provided the task is conducted at a reasonable interval after completion of the task during the previous period.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 6: Compliance Demonstration**



**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.4, Subpart A**

**Item 6.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

**Item 6.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Maintaining notifications, records, and reports.

Except as provided in paragraph (b) of this section, the owner or operator of each regulated source subject to this part shall keep copies of notifications, reports, and records required by this part for the length of time specified in the following, as applicable:

(1) If an owner or operator is not required to obtain or operate a regulated source under a title V permit, then all notifications, reports, and records for that regulated source required by this part shall be maintained for at least 2 years, except for the records required in 40 CFR §65.47(b) for storage vessel capacity, 40 CFR §65.104(e)(2) for valve and connector monitoring, and 40 CFR §65.163(d)(1) for closed vent system design specifications.

(b) Copies of reports. If an owner or operator submits reports to the applicable EPA Regional Office, the owner or operator is not required to maintain copies of those reports. If the EPA Regional Office has waived the requirement of 40 CFR §65.5(g)(1) for submittal of copies of reports, the owner or operator is not required to maintain copies of the waived reports. Paragraph (b) of this section applies only to reports and not the underlying records which must be maintained as specified throughout this part.

(c) Availability of records. All applicable records shall be maintained in such a manner that they can be readily accessed and are suitable for inspection as specified in the following:

(1) Except as specified in paragraph (c)(2) of this section, records of the most recent 2 years shall be retained onsite or shall be accessible to an inspector while onsite. The records of the remaining 3 years, where required, may be retained offsite. These records may be maintained in hard copy or computer-readable form



including, but not limited to, on paper, microfilm, computer, computer disk, magnetic tape, or microfiche.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 7: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.5, Subpart A**

**Item 7.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

**Item 7.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(a) Required reports. Each owner or operator of a regulated source subject to this subpart shall submit the following reports, as applicable:

(1) A Notification of Initial Startup described in paragraph (b) of this section.

(2) An Initial Notification for Part 65 Applicability described in paragraph (c) of this section.

(3) An Initial Compliance Status Report described in paragraph (d) of this section.

(4) Periodic reports described in paragraph (e) of this section.

(5) Other reports shall be submitted as specified elsewhere in this permit.

(6) Startup, Shutdown, and Malfunction Reports described in §65.6(c).

(b) Notification of Initial Startup (1) Contents. Any owner or operator of a regulated source which elects to comply with this part at initial startup shall send the Administrator written notification of the actual date of initial startup of a regulated source.

(2) Due date. The notification of the actual date of



initial startup shall be postmarked within 15 days after such date.

(c) Not applicable

(d) Initial Compliance Status Report (1) Contents. The owner or operator shall submit an Initial Compliance Status Report for each regulated source subject to this part containing the information specified in 40 CFR Part 65, Subparts D and F.

(2) Due date. The owner or operator shall submit the Initial Compliance Status Report for each regulated source within 240 days after the applicable compliance date specified in the referencing subparts, or within 60 days after the completion of the initial performance test or initial compliance determination, whichever is earlier.

(e) Periodic reports. The owner or operator of a source subject to monitoring requirements of this part or to other requirements of this part where periodic reporting is specified, shall submit a periodic report.

(1) Contents. Periodic reports shall include all information specified in subparts of this part.

(2) Due date. The periodic report shall be submitted semiannually no later than 60 calendar days after the end of each 6-month period. The first report shall be submitted as specified in the following, as applicable:

(i) The first report shall be submitted no later than the last day of the month that includes the date 8 months after the date the source became subject to 40 CFR Part 65.

(ii) For sources electing to comply with 40 CFR Part 65 at initial startup, the first report shall cover the 6 months after the Initial Compliance Status Report is due. The first report shall be submitted no later than the last day of the month that includes the date 8 months after the Initial Compliance Status Report is due.

(e) Not Applicable

(f) General report content. All reports and notifications submitted pursuant to this part, including reports that combine information from this part and a referencing subpart, shall include the following information:

(1) The name, address, and telephone number (fax number



may also be provided) of the owner or operator.

(2) The name, address and telephone number of the person to whom inquiries should be addressed, if different than the owner/operator.

(3) The address (physical location) of the reporting facility.

(4) Identification of each regulated source covered in the submission and identification of which subparts (referencing subparts and this part 65) options from this part are applicable to that regulated source. Summaries and groupings of this information are permitted.

(g) Report and notification submission (1) Submission. All reports and notifications required under this part shall be sent to the Administrator at the appropriate EPA Regional Office and to the delegated State authority. The EPA Regional Office may waive the requirement to receive a copy of any reports or notifications at its discretion.

(2) Submission of copies. If any State requires a notice that contains all the information required in a report or notification listed in this part, an owner or operator may send the appropriate EPA Regional Office a copy of the report or notification sent to the State to satisfy the requirements of this part for that report or notification.

(3) Method of submission. Wherever this subpart specifies (postmark) dates, submittals may be sent by methods other than the U.S. Mail (for example, by fax or courier). Submittals shall be sent on or before the specified date.

(4) Submission by electronic media. If acceptable to both the Administrator and the owner or operator of a source, reports may be submitted on electronic media.

(4) Notification of delay. If the Administrator is unable to meet a specified deadline, the owner or operator will be notified of any significant delay and informed of the amended schedule.

(i) The information listed in paragraphs (i)(1) through (5) of this section shall be submitted to the DEC and the Administrator if the regulated source is not a title V source.

(1) A list designating each emission point complying with subparts C through G of this part and whether each process



vent is Group 1, Group 2A, or Group 2B.

(2) The control technology or method of compliance that will be applied to each emission point.

(3) A statement that the compliance demonstration, monitoring, inspection, recordkeeping, and reporting provisions in subparts C through G of this part that are applicable to each emission point will be implemented beginning on the date of compliance as specified in the referencing subpart.

(4) The monitoring information in §65.162(e) if, for any emission point, the owner or operator of a source seeks to comply through use of a control technique other than those for which monitoring parameters are specified in §§65.148 through 65.154.

(5) Any requests for alternatives to the continuous operating parameter monitoring and recordkeeping provisions, as specified in §65.162(d).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 8: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.6, Subpart A**

**Item 8.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

**Item 8.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

a) Paragraphs (b) and (c) of this section do not apply to Group 2A or Group 2B process vents.

(b) Startup, shutdown, and malfunction plan (1) Description and purpose of plan. The owner or operator of a regulated source shall develop a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the regulated source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment



used to comply with the relevant standard. The plan shall also address routine or otherwise predictable CPMS malfunctions. This plan shall be developed by the owner or operator by the regulated source's implementation date as specified in §65.1(f). This requirement is optional for equipment that must comply with subpart F of this part. The purposes of the startup, shutdown, and malfunction plan are described in the following:

(i) To ensure that owners or operators are prepared to correct malfunctions as soon as practical after their occurrence in order to minimize excess emissions of regulated material (excess emissions are defined in §65.3(a)(4)); and

(ii) To reduce the reporting burden associated with periods of startup, shutdown, and malfunction (including corrective action taken to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation).

(2) Operation of source. During periods of startup, shutdown, and malfunction, the owner or operator of a regulated source shall operate and maintain such source (including associated air pollution control equipment and CPMS) in accordance with §65.3(a). The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner or operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in paragraph (b)(1) of this section), review of operation and maintenance records, and inspection of the source.

(3) Use of additional procedures. To satisfy the requirements of this section to develop a startup, shutdown, and malfunction plan, the owner or operator may use the regulated source's standard operating procedures (SOP) manual, or an Occupational Safety and Health Administration (OSHA) or other plan, provided the alternative plans meet all the requirements of this section and are made available for inspection when requested by the Administrator.



(4) Revisions to the plan. Based on the results of a determination made under 40 CFR §65.3(b)(3), the DEC or the Administrator may require that an owner or operator of a regulated source make changes to the startup, shutdown, and malfunction plan for that source. The DEC or the Administrator may require reasonable revisions to a startup, shutdown, and malfunction plan, if the DEC or the Administrator finds that the plan is inadequate as specified in the following:

(i) Does not address a startup, shutdown, and malfunction event of the CPMS, the air pollution control equipment, or the regulated source that has occurred; or

(ii) Fails to provide for the operation of the regulated source (including associated air pollution control equipment and CPMS) during a startup, shutdown, and malfunction event in a manner consistent with good air pollution control practices for minimizing emissions to the extent practical; or

(iii) Does not provide adequate procedures for correcting malfunctioning process and/or air pollution control equipment as quickly as practicable; or

(iv) Does not provide adequate measures to prevent or minimize excess emissions to the extent practical as specified and defined in 40 CFR §65.3(a)(4).

(5) Additional malfunction plan requirements. If the startup, shutdown, and malfunction plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction but was not included in the startup, shutdown, and malfunction plan at the time the owner or operator developed the plan, the owner or operator shall revise the startup, shutdown, and malfunction plan within 45 days after the event to include detailed procedures for operating and maintaining the regulated source during similar malfunction events, and a program of corrective action for similar malfunctions of process or air pollution control equipment or CPMS.

(6) Retain plan on site. The current plan must be kept on site at all times.

(c) Periodic startup, shutdown, and malfunction reports. During the reporting period, reports shall only be required for startup, shutdown, and malfunction during which excess emissions as defined in 40 CFR §65.3(a)(4) occur. A startup, shutdown, and malfunction report can be submitted as part of a periodic report required under 40 CFR §65.5(e), or on a more frequent basis if specified otherwise in a relevant standard or as established



otherwise by the permitting authority in the source's title V permit. The startup, shutdown, and malfunction report shall be delivered or postmarked by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate), unless the information is submitted with the periodic report. The report shall include the following information, as appropriate:

- (1) The name, title, and signature of the owner or operator or other responsible official certifying its accuracy.
- (2) The number of startup, shutdown, malfunction events and the total duration of all periods of startup, shutdown, and malfunction for the reporting period.
- (3) If actions taken by an owner or operator during a startup, shutdown, and malfunction of a regulated source, or of a control device or monitoring system required for compliance (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan, then the owner or operator shall state such information in a startup, shutdown, and malfunction report, and describe the actions taken. Such description can take the form of a checklist; only one checklist is necessary if actions taken are the same for multiple events during the reporting period.
- (4) If at any time an action taken by an owner or operator, during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) during which excess emissions occur, as defined in §65.3(a)(4), is not consistent with the procedures specified in the regulated source's startup, shutdown, and malfunction plan, the owner or operator shall report the actions taken for that event as part of the periodic report. The report shall explain the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 19: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.62, Subpart D**

**Item 19.1:**





3. Group 2B. A process vent is considered Group 2B if, at representative operating conditions expected to yield the lowest TRE index value, it has a TRE index value of greater than 4.0; or a flow rate of less than 0.011 standard cubic meter per minute (0.40 standard cubic foot per minute); or a concentration less than the applicable criterion in table 1 of this subpart. Procedures for determining the TRE index value, flow rate, and concentration are specified in §65.64.

The results of this grouping shall be submitted to the DEC with the Initial Compliance Status Report, due 240 days after startup or within 60 days after completion of the initial performance test or initial compliance determination, whichever is earlier.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 20: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.63(a), Subpart D**

**Item 20.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 20.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§65.63(a)

Group 1 performance requirements. The owner or operator of a Group 1 process vent shall comply with the requirements of either paragraph (a)(1), (2), or (3) below.

(1) If VOC emissions are controlled with a flare, the owner or operator must reduce emissions of regulated material using a flare meeting the applicable requirements of 40 CFR §65.142(b).

(2) The owner or operator shall reduce emissions of



regulated material or TOC by at least 98 weight-percent or to a concentration of less than 20 parts per million by volume, whichever is less stringent. For combustion devices, the emission reduction or concentration shall be calculated on a dry basis, and corrected to 3 percent oxygen. The owner or operator shall meet the requirements in 40 CFR §65.142(b) and paragraphs (a)(2)(i) and/or (a)(2)(ii) of this section.

(i) Compliance with paragraph (a)(2) of this section may be achieved by using any combination of recovery and/or control device to meet the 20 parts per million by volume concentration standard; or by using any combination of recovery and/or control device to meet the 98 weight percent reduction standard, if the recovery device meets the conditions of paragraph (a)(2)(ii) of this section.

(ii) An owner or operator may use a recovery device alone or in combination with one or more control devices to reduce emissions of total regulated material by 98 weight-percent if all of the following conditions are met:

(A) For process vents referenced to this part by 40 CFR part 63, subpart G, the recovery device (and any control device that operates in combination with the recovery device to reduce emissions of total regulated material by 98 weight-percent) was installed before December 31, 1992.

(B) The recovery device that will be used to reduce emissions of total regulated material by 98 weight-percent is the last recovery device before emission to the atmosphere.

(C) The recovery device alone or in combination with one or more control devices is capable of reducing emissions of total regulated material by 98 weight-percent but is not capable of reliably reducing emissions of total regulated material to a concentration of 20 parts per million by volume.

(D) If the owner or operator disposed of the recovered material, the recovery device would be considered a control device and comply with the requirements of this subpart and §65.142(b) for control devices.

(3) The owner or operator shall achieve and maintain a TRE index value greater than 1.0 at the outlet of the final recovery device, or prior to release from the process vent to the atmosphere if no recovery device is present. If the



TRE index value is greater than 1.0, the process vent shall meet the provisions for a Group 2A or 2B process vent specified in either 40 CFR §65.63(c), (d), (e), or (f), whichever is applicable.

The results of this grouping compliance determination shall be submitted to the DEC with the Initial Compliance Status Report, due 240 days after startup or within 60 days after completion of the initial performance test or initial compliance determination, whichever is earlier. Thereafter, the owner or operator shall submit such reports to the DEC on a semi-annual basis.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 21: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.63(c), Subpart D**

**Item 21.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

**Item 21.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

(c) Performance requirements for Group 2A process vents with recovery devices. For Group 2A process vents, where the owner or operator is using a recovery device to maintain a TRE index value greater than 1.0, the owner or operator shall maintain a TRE index value greater than 1.0 and comply with the requirements for recovery devices in §65.142(b).

The owner or operator shall submit to the DEC an Initial Compliance Status Report, due 240 days after startup or within 60 days after completion of the initial performance test or initial compliance determination, whichever is earlier. Thereafter, the owner or operator shall submit to the DEC, on a semi-annual basis, a report stating whether the equipment operated in compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING



DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 22: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.63(d), Subpart D**

**Item 22.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 22.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§65.63(d) Performance requirements for Group 2A process vents without recovery devices.

The owner or operator shall submit to the DEC a plan to monitor parameters to insure that the total resource effectiveness (TRE) value remains greater than 1.0.

For Group 2A process vents where the owner or operator is not using a recovery device to maintain a TRE index value greater than 1.0, determine the appropriate parameters to be monitored and submit the information as specified in paragraphs (1), (2), and (3) of this section. Such information shall be submitted for approval to the DEC no later than the first compliance submission deadline. The owner or operator shall monitor such parameters, maintain records and submit reports of such monitoring.

(1) Parameter monitoring. A description of the parameter(s) to be monitored to ensure the owner or operator of a process vent achieves and maintains the TRE above 1.0. and an explanation of the criteria used to select the parameter(s).

(2) Demonstration methods and procedures. A description of the methods and procedures that will be used to demonstrate that the parameter indicates proper operation of the process, the schedule for this demonstration, and a statement that the owner or operator



will establish a range for the monitored parameter as part of the Initial Compliance Status Report required in 40 CFR §65.5(d).

(3) Monitoring, recordkeeping, and reporting frequency. The frequency and content of monitoring, recording, and reporting if monitoring and recordkeeping are not continuous. The rationale for the proposed monitoring, recording, and reporting system shall be included.

This plan shall be submitted to the DEC with the Initial Compliance Status Report, due 240 days after startup or within 60 days after completion of the initial performance test or initial compliance determination, whichever is earlier. Thereafter, the owner or operator shall submit to the DEC, on a semi-annual basis, a report stating whether the equipment operated within those parameters.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 23: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.63(e), Subpart D**

**Item 23.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 23.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§65.63(e) Group 2B performance requirements. For Group 2B process vents, the owner or operator shall maintain a TRE index greater than 4.0, a flow rate less than 0.011 scmm, or a concentration less than 300 ppmv of TOC.

Demonstration that certain vents meet the Group 2B criteria is required to be submitted to the DEC in the Initial Compliance Status Report.



The facility is prohibited from making process changes that would cause any Group 2B vent from becoming a Group 1 or a Group 2A vent. On an annual basis, the owner or operator shall submit to the DEC a report stating whether any changes have been made to the process.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2009.  
Subsequent reports are due every 12 calendar month(s).

**Condition 24: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.63(f), Subpart D**

**Item 24.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):  
CAS No: 0NY998-00-0 VOC

**Item 24.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

§65.63(f) Group 2A or 2B process change requirements.  
The facility is prohibited from making changes that could reasonably be expected to change a Group 2A or Group 2B process vent to a Group 1 vent, or a Group 2B process vent to a Group 2A process vent without first obtaining approval from the DEC in the form of a permit modification.

On an annual basis, the owner or operator shall submit to the DEC a report stating whether changes were made to the process.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2009.  
Subsequent reports are due every 12 calendar month(s).

**Condition 25: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.66, Subpart D**





through engineering assessment as specified in 40 CFR §65.64(i). As specified in 40 CFR §65.67(a), the owner or operator shall include this information in the Initial Compliance Status Report.

(d) Process change records. (Process changes that would result in a Group 2a or 2b vent from becoming a Group 1 vent are prohibited elsewhere in this permit unless authorized with a permit modification.) The owner or operator shall keep up-to-date, readily accessible records as specified in the following and shall report this information as specified in 40 CFR §65.67(b):

(1) If the process vent is Group 2B on the basis of flow rate being less than 0.011 scmm (0.40 standard cubic foot), then the owner or operator shall keep records of any process changes as defined in 40 CFR §65.63(f) that increase the process vent flow rate and any recalculation or measurement of the flow rate pursuant to 40 CFR §65.63(f).

(2) If the process vent is Group 2B on the basis of organic HAP or TOC concentration being less than the applicable value in table 1 of 40 CFR Part 65, then the owner or operator shall keep records of any process changes as defined in 40 CFR §65.63(f) that increase the organic HAP or TOC concentration of the process vent and any recalculation or measurement of the concentration pursuant to 40 CFR §65.63(f).

(3) If the process vent is Group 2A or Group 2B on the basis of the TRE index value being greater than 1.0, then the owner or operator shall keep records of any process changes as defined in 40 CFR §65.63(f) and any recalculation of the TRE index value pursuant to 40 CFR §65.63(f).

(4) As a result of a process change, if a process vent that was Group 2B on any basis becomes a Group 2B process vent only on the basis of having a TRE greater than 4.0, then the owner or operator shall keep records of the TRE index value determination performed according to the sample site and TRE index value determination procedures of 40 CFR §65.64(b)(1) and (h) or determined through engineering assessment as specified in 40 CFR §65.64(i).

(e) Other Group 2A records. An owner or operator of a Group 2A process vent maintaining a TRE index value greater than 1.0 without a recovery device shall record the parameters monitored based on the approved plan as specified in 40 CFR §65.63(d).



On an annual basis, the owner or operator shall submit to the DEC a report stating whether he has complied with this requirement.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2009.  
Subsequent reports are due every 12 calendar month(s).

**Condition 26: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.67, Subpart D**

**Item 26.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 26.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator must submit to the DEC an initial compliance report.

(a) Initial compliance status report. The owner or operator shall submit as part of the Initial Compliance Status Report specified in 40 CFR §65.5(d) the information recorded in §65.66(a), (b), and (c), as applicable.

(b) Process change. (Note: Process changes that would result in a Group 2a or 2b vent from becoming a Group 1 vent are prohibited elsewhere in this permit unless authorized with a permit modification.)(1) Whenever a process change, as described in §65.63(f), is made that causes a Group 2A or 2B process vent to become a Group 1 process vent or a Group 2B process vent to become a Group 2A process vent, the owner or operator shall either submit a report within 60 days after the performance test or group determination or submit a report included as part of the next periodic report. The report shall include the following information:

(i) A description of the process change;

(ii) The results of the recalculation of the flow rate,



organic HAP or TOC concentration, and/or TRE index value required under §65.63(f) and recorded under §65.66(d); and

(iii) A statement that the owner or operator will comply with the provisions of §65.63 by the schedules specified in §65.63(f)(4) through (6).

(2) For process vents that become Group 1 process vents after a process change requiring a performance test to be conducted for the control device being used as specified in subpart G of this part, the owner or operator shall specify that the performance test has become necessary due to a process change. This specification shall be made in the notification to the Administrator of the intent to conduct a performance test as provided in §65.164(b)(1).

(3) Whenever a process change as described in §65.63(f) is made that changes the group status of a process vent from Group 1 to Group 2A, or from Group 1 to Group 2B, or from Group 2A to Group 2B, the owner or operator shall include a statement in the next periodic report after the process change that a process change has been made and the new group status of the process vents.

(4) The owner or operator is not required to submit a report of a process change if one of the following conditions is met:

(i) The change does not meet the definition of a process change in §65.63(f); or

(ii) For a Group 2B process vent, the vent stream flow rate is recalculated according to §65.63(f) and the recalculated value is less than 0.011 standard cubic meter per minute (0.40 standard cubic foot per minute); or

(iii) For a Group 2B process vent, the organic HAP or TOC concentration of the vent stream is recalculated according to §65.63(f), and the recalculated value is less than the applicable value in table 1 to this subpart; or

(iv) For a Group 2B process vent, the TRE index value is recalculated according to §65.63(f) and the recalculated value is greater than 4.0.

(c) Parameters for Group 2A without a recovery device. An owner or operator of a Group 2A process vent maintaining a TRE index value greater than 1.0 without using a recovery device shall report the information specified in the approved plan under §65.63(d).



The Initial Compliance Status Report, due 240 days after startup or within 60 days after completion of the initial performance test or initial compliance determination, whichever is earlier.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 27: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.103, Subpart F**

**Item 27.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 27.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be identified. This section addresses how the equipment is to be identified.

The owner and operator must comply with 40 CFR §65.103 in entirety. That rule is summarized herein.

1. All valves, pumps and connectors in volatile organic compound service (gas/vapor, heavy liquid, or light liquid service) shall be identified. Identification of the equipment does not require physical tagging of the equipment. For example, the equipment may be identified on a plant site plan, in log entries, by designation of process unit boundaries, by some form of weatherproof identification, or by other appropriate methods.

2. Connectors need not be individually identified except those connections that are inaccessible (see 40 CFR §§65.103(b)(1) and 65.108(e)(2)) or part of instrumentation system.



3. Equipment that is unsafe or difficult to monitor and must be identified. See 40 CFR § 65.103(c). Equipment that is designated unsafe to monitor shall have a written plan that requires monitoring of this equipment as frequently as practicable during safe-to-monitor times, and repair of equipment according to the procedures in 40 CFR § 65.105 if a leak is detected. Equipment that is designated as difficult-to-monitor shall have a written plan that requires monitoring of the equipment at least once per calendar year and repair according to 40 CFR §65.105 if a leak is detected.

4. Equipment that is unsafe to repair must be identified. See 40 CFR §65.103(d).

5. Instrumentation systems must be identified, but individual components of these systems do not have to be identified. See 40 CFR §65.103(b)(5).

6. Equipment in service less than 300 hours per calendar year must be identified. See 40 CFR §65.103(b)(6).

7. Compressors operating with an instrument reading of less than 500 ppm must be identified if the owner elects to comply with 40 CFR §65.112(f).

8. The owner or operator of equipment in heavy liquid service shall comply with the requirements of either paragraph (1) or (2) of this item as provided in paragraph (3) of this item.

(1) Retain information, data, and analyses used to determine that a piece of equipment is in heavy liquid service.

(2) When requested by the Administrator, demonstrate that the piece of equipment or process is in heavy liquid service.

(3) A determination or demonstration that a piece of equipment or process is in heavy liquid service shall include an analysis or demonstration that the process fluids do not meet the definition of  $\zeta$  in light liquid service. Examples of information that could document this include, but are not limited to, records of chemicals purchased for the process, analyses of process stream composition, engineering calculations, or process knowledge.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.



On an annual basis, the owner or operator shall submit to the DEC a report stating whether he has maintained an accurate list of all equipment subject to 40 CFR Part 65, Subpart F.

Monitoring Frequency: ANNUALLY  
Reporting Requirements: ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2009.  
Subsequent reports are due every 12 calendar month(s).

**Condition 28: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.104, Subpart F**

**Item 28.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):  
CAS No: 0NY998-00-0 VOC

**Item 28.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks using instrumental or sensory methods. This section addresses how the equipment is to be monitored.

The owner and operator must comply with 40 CFR §65.104 in entirety. That rule is summarized herein.

(A) Monitoring for leaks. The owner or operator of a regulated source subject to this subpart shall monitor regulated equipment as specified in paragraph (a)(1) of this condition for instrument monitoring and paragraph (a)(2) of this condition for sensory monitoring.

- (1) Instrument monitoring for leaks.
  - (i) Valves in gas/vapor service and in light liquid service shall be monitored pursuant to §65.106(b).
  - (ii) Pumps in light liquid service shall be monitored pursuant to §65.107(b).
  - (iii) Connectors in gas/vapor service and in light liquid service shall be monitored pursuant to §65.108(b).
  - (iv) Agitators in gas/vapor service and in light liquid service shall be monitored pursuant to §65.109(b).



- (v) Pressure relief devices in gas/vapor service shall be monitored pursuant to §65.111(b) and (c).
- (vi) Compressors designated to operate with an instrument reading less than 500 parts per million as described in §65.103(e) shall be monitored pursuant to §65.112(f).

(2) Sensory monitoring for leaks.

- (i) Pumps in light liquid service shall be observed pursuant to §65.107(b)(4) and (e)(1)(v).
- (ii) Agitators in gas/vapor service and in light liquid service shall be observed pursuant to §65.109(b)(3) or (e)(1)(v).

(B) Instrument monitoring shall comply with 40 CFR §65.104(b) and (c).

(C) Sensory monitoring shall consist of visual, audible, olfactory, or any other detection method used to determine a potential leak to the atmosphere.

(D) When each leak is detected, a weatherproof and readily visible identification shall be attached to the leaking equipment. The owner or operator shall record the date the leak was detected, the instrument, the equipment identification, and the instrument operator's name, initials, or identification number if a leak is detected or confirmed by instrument monitoring. Pursuant to 40 CFR §65.4(a), these records shall be kept for five years, except process units with less than 0.25 percent leaking valves complying with the 2-year monitoring period and connectors complying with the 8 year monitoring period under 40 CFR §65.108(b)(3)(iii).

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring of all equipment subject to 40 CFR Part 65, Subpart F.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 29: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**





Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 30: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.106, Subpart F**

**Item 30.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 30.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for valves in vapor and light liquid service.

The owner and operator must comply with 40 CFR §65.106 in entirety. That section of the rule is summarized herein.

In general terms, these provisions specify:

1. The use of instrumental methods on a monthly (or less frequent) basis to determine leaks, wherein a concentration in excess of 500 ppm is a leak;
2. That the frequency of testing as a function of the percentage of equipment that leaks; and re-testing of repaired leaks.
3. That leaks must be repaired using the procedures of 40 CFR §65.105.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.



On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 31: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.107, Subpart F**

**Item 31.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 31.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for pumps in light liquid service.

The owner or operator shall comply with 40 CFR §65.107. In general terms, these provisions specify:

1. The use of instrumental methods on a monthly basis to determine leaks, wherein a concentration in excess of 1000 ppm is a leak;
2. That repairs are required when the TOC concentration exceeds 2,000 ppmv;
3. That a visual inspection is required weekly;
4. That the frequency of testing as a function of the percentage of equipment that leaks; and re-testing of repaired leaks.
5. That leaks must be repaired using the procedures of 40 CFR §65.105.
6. That if, when calculated on a six month rolling



average, at least the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak, the owner or operator shall implement a quality improvement program and comply with 40 CFR §65.116.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 32: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.108, Subpart F**

**Item 32.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 32.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for connectors in gas/vapor service and in light liquid service.

The owner or operator shall comply with 40 CFR §65.108 in entirety. In general terms, these provisions specify:

1. The use of instrumental methods on an annual basis to determine leaks, wherein a concentration in excess of 500





1. the use of instrumental methods on an annual basis to determine leaks, wherein a concentration equal to or greater than 10,000 ppm is a leak;
2. That each agitator seal be inspected visually each calendar week;
3. That leaks must be repaired using the procedures of 40 CFR 65.105(a);
4. special provisions for unsafe-to-monitor and difficult-to-monitor agitator seals.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 34: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.110, Subpart F**

**Item 34.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 34.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for pumps, valves, connectors, and agitators in heavy liquid service;



pressure relief devices in liquid service; and instrumental systems.

The owner or operator must comply with 40 CFR §65.110 in entirety. In general, these provisions provide:

1. That if there is sensory evidence of a leak, that such equipment be monitored instrumentally within 5 calendar days;
2. That a leak is defined by an instrumental reading of 10,000 ppm or greater for agitators, 2,000 ppm for pumps, 500 ppm for valves, connectors, instrument systems, and pressure release devices;
3. That leaks be repaired pursuant to 40 CFR §65.105.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 35: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.111, Subpart F**

**Item 35.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 35.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart



F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for pressure relief devices in gas/vapor service.

The owner or operator must comply with 40 CFR §65.111 in entirety. In general, these provisions require:

1. That as soon as practical, but no later than five days after each pressure release, the device shall be returned to a condition indicated by an instrument reading of less than 500 ppm;
2. That no later than five days after each pressure release device is re-set, the device shall be monitored to confirm that the instrument reading is less than 500 ppm;
3. That if equipped with a rupture disk upstream of the pressure relief device, the device is exempt from the monitoring requirement if the rupture disk is installed as soon as practical but no later than five days after each pressure release.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 36: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.112, Subpart F**

**Item 36.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC



**Item 36.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for compressors.

The owner or operator must comply with 40 CFR §65.112 in entirety. In general, these provisions require:

1. That each compressor shall be equipped with a seal system that includes a barrier fluid system to prevent leakage of process fluid to the atmosphere, unless otherwise excepted;
2. That the barrier fluid shall not be in light liquid service;
3. That the system be equipped with a sensor to detect seal system failures, and that the sensor be observed daily;
4. That the owner define a criterion that indicates seal system failure;
5. That leaks be repaired in accordance with 40 CFR §65.105.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 37: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.113, Subpart F**





**Condition 38: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.114, Subpart F**

**Item 38.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):  
CAS No: 0NY998-00-0 VOC

**Item 38.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for open-ended valves.

The owner or operator must comply with 40 CFR §65.114 in entirety. In general, these provisions require:

1. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve except as otherwise provided. The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance. The operational provisions of paragraphs (b)(2) and (3) of this section also apply.
2. That each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.
3. That when a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (b)(1) of this section at all other times.
4. That Open-ended valves or lines in an emergency shutdown system that are designed to open automatically in the event of a process upset are exempt from the requirements of paragraph (b) of this section.



Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 39: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 65.115, Subpart F**

**Item 39.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 39.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks. The Rule defines what constitutes a leak for closed-vent systems and control devices.

The owner or operator must comply with 40 CFR §65.115 in entirety. In general, these provisions require

1. Owners or operators of closed vent systems and nonflare control devices used to comply with provisions of this subpart shall design and operate the closed vent systems and nonflare control devices to reduce emissions of regulated material with an efficiency of 95 percent or greater, or to reduce emissions of regulated material to a concentration of 20 parts per million by volume or, for an enclosed combustion device, to provide a minimum residence time of 0.50 second at a minimum of 760 °C (1400 °F). Owners and operators of closed vent systems and nonflare



control devices used to comply with this part shall comply with the provisions of §65.142(d), except as provided in §65.102(b). Note that this includes the startup, shutdown, and malfunction provisions of §65.6.

2. Owners or operators of closed vent systems and flares used to comply with the provisions of this subpart shall design and operate the flare as specified in 40 CFR §65.142(d), except as provided in 40 CFR §65.102(b). Note that this includes the startup, shutdown, and malfunction provisions of §65.6.

3. Owners or operators routing emissions from equipment leaks to a fuel gas system or process shall comply with the provisions of §65.142(d), except as provided in §65.102(b).

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 40: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.119, Subpart F**

**Item 40.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 40.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the



potential to leak emissions be monitored for leaks. The Rule specifies what is required for recordkeeping.

The owner or operator must comply with 40 CFR §65.119 in entirety. In general, the owner or operator must keep records of leaks, tagged equipment, dates of repairs, lists of equipment that is difficult-to-monitor or unsafe-to-monitor, unsafe to repair, the equipment that is in heavy liquid service, engineering assessments, monitoring instrument detection limits, as well as specific equipment leak records for the various types of equipment (valves, pumps, connectors, agitators, pressure relief valves, and compressors.

Reporting of information (Initial Compliance Status Reports and Periodic Reports) is required under a separate condition.

On a semi-annual basis, the owner or operator shall submit to the DEC a report stating whether he has conducted the required monitoring, assessed whether there were leaks and repaired such leaks, accordingly.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION  
Reporting Requirements: SEMI-ANNUALLY (CALENDAR)  
Reports due 60 days after the reporting period.  
The initial report is due 3/1/2009.  
Subsequent reports are due every 6 calendar month(s).

**Condition 41: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 65.120, Subpart F**

**Item 41.1:**  
The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSL P

Regulated Contaminant(s):  
CAS No: 0NY998-00-0 VOC

**Item 41.2:**  
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES  
Monitoring Description:

The Equipment Leak provisions of 40 CFR Part 65, Subpart F (the Consolidated Rule) require that equipment with the potential to leak emissions be monitored for leaks.



The owner or operator must comply with 40 CFR §65.120.

#### 1. Initial Compliance Report

Each owner or operator shall submit an Initial Compliance Status Report according to the procedures in 40 CFR §65.5(d). The notification shall include the information listed in paragraphs (1) through (3) of this section, as applicable.

(1) The notification shall provide the following information for each process unit subject to the requirements of this subpart:

- (i) Process unit identification;
- (ii) Number of each equipment type (for example, valves, pumps) excluding equipment in vacuum service; and
- (iii) Method of compliance with the standard (for example, monthly leak detection and repair, or equipped with dual mechanical seals).

(2) The notification shall provide the following information for each process unit subject to the requirements of §65.117(b):

- (i) Batch products or product codes subject to the provisions of this subpart; and
- (ii) Planned schedule for pressure testing when equipment is configured for production of products subject to the provisions of this subpart.

(3) The notification shall provide the following information for each process unit subject to the requirements in §65.118:

- (i) Process unit identification;
- (ii) A description of the system used to create a negative pressure in the enclosure, and the control device used to comply with the requirements of subpart G of this part.

#### 2. Periodic reports

The owner or operator shall report the information specified in paragraphs (1) through (9) of this section, as applicable, in the periodic report specified in 40 CFR §65.5(e).

(1) For the equipment specified in paragraphs (i) through (v) of this section, report in a summary format by equipment type the number of components for which leaks were detected, and for valves, pumps, and connectors show the percent leakers and the total number of components monitored. Also include the number of leaking components that were not repaired as required by 40 CFR §65.105(a), and for valves identify the number of components that are



determined by 40 §65.106(c)(3) to be nonrepairable.

- (i) Valves in gas/vapor service and in light liquid service pursuant to §65.106(b) and (c).
- (ii) Pumps in light liquid service pursuant to §65.107(b) and (c).
- (iii) Connectors in gas/vapor service and in light liquid service pursuant to §65.108(b) and (c).
- (iv) Agitators in gas/vapor service and in light liquid service pursuant to §65.109(b).
- (v) Compressors pursuant to §65.112(d).

(2) Where any delay of repair is utilized pursuant to §65.105(d), report that delay of repair has occurred and report the number of instances of delay of repair.

(3) If applicable, report the valve subgrouping information specified in §65.106(b)(4)(iv).

(4) For pressure relief devices in gas/vapor service pursuant to §65.111(b) and for compressors pursuant to §65.112(f) that are to be operated at a leak detection instrument reading of less than 500 parts per million, report the results of all monitoring to show compliance conducted within the semiannual reporting period.

(5) Report, if applicable, the initiation of a monthly monitoring program for valves pursuant to §65.106(b)(3)(i).

(6) Report, if applicable, the initiation of a quality improvement program for pumps pursuant to §65.116.

(7) Report the information listed in paragraph (a) of this section for the Initial Compliance Status Report for process units with later compliance dates. Report any revisions to items reported in an earlier Initial Compliance Status Report if the method of compliance has changed since the last report.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 60 days after the reporting period.

The initial report is due 3/1/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 46: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60, NSPS Subpart NNN**

**Item 46.1:**



The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BDSLPL

Process: BPA

**Item 46.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Use of the Consolidated Federal Rule

(1) Pursuant to 40 CFR 60.660(d), alternative means of compliance, owners or operators of process vents that are subject to this subpart may choose to comply with the provisions of 40 CFR part 65, subpart D, to satisfy the requirements of §§60.702 through 60.705 and 60.708. The provisions of 40 CFR part 65 also satisfy the criteria of paragraphs (c)(2), (4), and (8) of this section. Other provisions applying to an owner or operator who chooses to comply with 40 CFR part 65 are provided in 40 CFR 65.1.

(2) Part 60, subpart A. Owners or operators who choose to comply with 40 CFR part 65, subpart D, must also comply with §§60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those process vents. All sections and paragraphs of 40 CFR Part 60, Subpart A that are not mentioned in this paragraph do not apply to owners or operators of process vents complying with 40 CFR part 65, subpart D. Owners and operators who choose to comply with 40 CFR part 65, subpart D, must comply with 40 CFR part 65, subpart A.

(3) Compliance date. Owners or operators who choose to comply with 40 CFR part 65, subpart D at initial startup shall comply with paragraphs (d)(1) and (2) of this section for each vent stream on and after the date on which the initial performance test is completed, but not later than 60 days after achieving the maximum production rate at which the affected facility will be operated, or 180 days after the initial startup, whichever date comes first.

(4) Initial startup notification. Each owner or operator subject to the provisions of this subpart that chooses to comply with 40 CFR part 65, subpart D, at initial startup shall notify the Administrator of the specific provisions of 40 CFR 65.63(a)(1), (2), or (3), with which the owner or operator has elected to comply. Notification shall be submitted with the notifications of initial startup required by 40 CFR 65.5(b).



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 47: Standards for VOCs.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.112b(a), NSPS Subpart Kb**

**Item 47.1:**

This Condition applies to Emission Unit: 1-BDSL  
Process: STG

**Item 47.2:**

Petroleum liquids stored at vapor pressures of greater than or equal to 5.2 kPa and less than 76.6 kPa shall be stored in a vessel with a fixed roof in combination with an internal floating roof which meets the design criteria of section 40 CFR 60-Kb.112b.

**Condition 48: VOC standard for volatile organic liquid storage vessels equipped with a fixed roof in combination with a internal floating roof**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.112b(a)(1), NSPS Subpart**

**Kb**

**Item 48.1:**

This Condition applies to:

Emission Unit: 1BDSL  
Process: STG Emission Source: MSTR2

**Item 48.1:**

This Condition applies to Emission Unit: 1-BDSL  
Process: STG Emission Source:  
MSTR1

**Item 48.2.3:**

The owner or operator of each storage vessel which meets the applicability criteria listed in 40 CFR 60.112b(a) and is equipped with a fixed roof in combination with an internal floating roof shall meet the following specifications:

(i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(ii) Each internal floating roof shall be equipped with one of the following closure



devices between the wall of the storage vessel and the edge of the internal floating roof:

(A) A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid- filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.

(B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(C) A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.

(iii) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(iv) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(v) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

**Condition 49: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.113b(a)(1), NSPS Subpart Kb**

**Item 49.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSL P

Process: STG

Emission Source: MSTR1

Emission Unit: 1-BDSL P



Process: STG

Emission Source: MSTR2

**Item 49.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with Volatile Organic Liquid. If there are holes, tears, or other openings in the primary seal, secondary seal, or the seal fabric, or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 50: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.113b(a)(2), NSPS Subpart**

**Kb**

**Item 50.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 50.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

For vessels equipped with a liquid-mounted or mechanical shoe primary seal, the owner or operator shall visually inspect the internal floating roof and the primary seal (or the secondary seal if one exists) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill.

If the internal floating roof is not resting on the surface of the Volatile Organic Liquid inside the storage



vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days.

Monitoring Frequency: ANNUALLY

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 51: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.113b(a)(3), NSPS Subpart Kb**

**Item 51.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

**Item 51.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Vessels equipped with a double-seal system shall:

1) Visually inspect the vessel as specified in paragraph 40 CFR 60.113b(a)(4) at least once every five years, and

2) Visually inspect the vessel as specified in paragraph 40 CFR 60.113b(a)(2) at least once every 12 months.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 52: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.113b(a)(4), NSPS Subpart Kb**

**Item 52.1:**

The Compliance Demonstration activity will be performed for the facility:  
The Compliance Demonstration applies to:



Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 52.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed.

If the internal floating roof has defects, either seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of these conditions exist before refilling the storage vessel with Volatile Organic Liquid.

In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspections as specified in 40 CFR 60.113b(a)(2) and at intervals of no greater than 5 years in the case of vessels equipped with double seals that do not choose to perform the annual visual inspection option.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

**Condition 53: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.113b(a)(5), NSPS Subpart**

**Kb**

**Item 53.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1



Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

**Item 53.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall notify the Administrator in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 54: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.116b(a), NSPS Subpart Kb**

**Item 54.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR1

Emission Unit: 1-BDSLPL

Process: STG

Emission Source: MSTR2

**Item 54.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years.  
The record required by paragraph (b) of this section will be kept for the life of the source

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 55: Compliance Demonstration**





Opacity testing (observations) shall be conducted upon request by the NYSDEC.

Parameter Monitored: OPACITY

Upper Permit Limit: 20 percent

Reference Test Method: Method 9

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: 6-MINUTE AVERAGE (METHOD 9)

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 68: Multiple fuels particulate matter emission rate.  
Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 227-1.5**

**Item 68.1:**

This Condition applies to Emission Unit: 1-BOILS

**Item 68.2:**

When two or more different fuels are burned simultaneously in a single furnace of a stationary combustion installation, the permissible emission rate for a contaminant shall be the sum of the permissible emission rates of the contaminant for each fuel multiplied by the heat derived from such fuel.

**Condition 56: Compliance Demonstration  
Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.7(a)(3), NSPS Subpart A**

**Item 56.1:**

The Compliance Demonstration activity will be performed for the facility:

The Compliance Demonstration applies to:

Emission Unit: 1-BDSL P

Emission Unit: 1-BOILS

**Item 56.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Any owner or operator subject to the provisions of this part shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, as follows:

A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.



Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

**Condition 57: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.42c(d), NSPS Subpart Dc**

**Item 57.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 57.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC  
OPERATIONS

Monitoring Description:

On or after the date on which the initial performance test is completed or required to be completed under section 60.8 of this part, no owner or operator of an affected facility that combusts oil shall combust oil with a sulfur content in excess of 0.5 percent by weight.

Work Practice Type: PARAMETER OF PROCESS MATERIAL

Process Material: OIL (NOT ELSEWHERE CLASSIFIED)

Parameter Monitored: SULFUR CONTENT

Upper Permit Limit: 0.50 percent by weight

Monitoring Frequency: PER DELIVERY

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 58: Exemption from the averaging period.**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.42c(h), NSPS Subpart Dc**

**Item 58.1:**

This Condition applies to Emission Unit: 1-BOILS

**Item 58.2:**

Compliance with emission limits and/or fuel oil sulfur limitations shall be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable.

**Condition 59: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**



**Applicable Federal Requirement:40CFR 60.42c(i), NSPS Subpart Dc**

**Item 59.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 59.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations shall apply at all times, including periods of startup, shutdown, and malfunction.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 60: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.43c(e)(4), NSPS Subpart Dc**

**Item 60.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 60.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

On and after the date on which the initial performance test is completed or is required to be completed under 40 CFR 60.8, whichever date comes first, an owner or operator of an affected facility that commences construction, reconstruction, or modification after February 28, 2005, and that combusts only oil that contains no more than 0.50 weight percent sulfur or a mixture of 0.50 weight percent sulfur oil with other fuels not subject to a PM standard under 40 CFR 60.43c and not using a post-combustion technology (except a wet scrubber) to reduce PM or SO<sub>2</sub> emissions is not subject to the PM limit in 40 CFR 60 Subpart Dc 60.43c(e).

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION



**Condition 61: Compliance Demonstration**  
Effective between the dates of 11/14/2008 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 60.44c(h), NSPS Subpart Dc**

**Item 61.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 61.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL  
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The facility owner and/or operator must demonstrate compliance with the requirements of 40 CFR 60.42c(h). Facilities demonstrating compliance using the fuel supplier certification, for sulfur-in-fuel limitations (based on a percent by weight of sulfur in the fuel), shall submit the certification in accordance with the provisions of 40 CFR 60.48c(f)(1), (2), and (3), as applicable.

Parameter Monitored: SULFUR

Upper Permit Limit: 0.5 percent by weight

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING  
DESCRIPTION

Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY  
TIME (INSTANTANEOUS/DISCRETE OR GRAB)

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 62: Exemption from sulfur dioxide monitoring requirements.**  
Effective between the dates of 11/14/2008 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 60.46c(e), NSPS Subpart Dc**

**Item 62.1:**

This Condition applies to Emission Unit: 1-BOILS

**Item 62.2:**

Facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) showing compliance through vendor certification shall be exempt from section 40 CFR 60-Dc.46c.

**Condition 63: Compliance Demonstration**  
Effective between the dates of 11/14/2008 and Permit Expiration Date

**Applicable Federal Requirement:40CFR 60.48c(a), NSPS Subpart Dc**

**Item 63.1:**



The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 63.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The owner and operator of each affected facility shall submit notification of the date of construction or reconstruction, anticipated startup, and actual startup, as provided by 40 CFR 60.7 of this part. This notification shall include:

- (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
- (2) If applicable, a copy of any Federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c., or 40 CFR 60.43c.
- (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

Monitoring Frequency: SINGLE OCCURRENCE

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 64: Compliance Demonstration**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement: 40CFR 60.48c(f)(1), NSPS Subpart Dc**

**Item 64.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

Regulated Contaminant(s):

CAS No: 007446-09-5      SULFUR DIOXIDE

**Item 64.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

Fuel supplier certification shall include the following information for distillate oil:



- i) The name of the oil supplier, and
- ii) A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in §60.41c. 60-Dc 41c defines distillate oil as fuel that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, A standard Specification for Fuel Oils.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: SEMI-ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2009.

Subsequent reports are due every 6 calendar month(s).

**Condition 65: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.48c(g)(2), NSPS Subpart Dc**

**Item 65.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-BOILS

**Item 65.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

As an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO<sub>2</sub> standard, fuels not subject to an emission standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 69: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.48c(i), NSPS Subpart Dc**

**Item 69.1:**

The Compliance Demonstration activity will be performed for:



Emission Unit: 1-BOILS

**Item 69.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 66: Reporting period**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:40CFR 60.48c(j), NSPS Subpart Dc**

**Item 66.1:**

This Condition applies to Emission Unit: 1-BOILS

**Item 66.2:** The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period

**Condition 70: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable Federal Requirement:6NYCRR 212.4(c)**

**Item 70.1:**

The Compliance Demonstration activity will be performed for:

Emission Unit: 1-CRUSH

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

**Item 70.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING

Monitoring Description:

Emissions of solid particulates are limited to less than 0.05 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry basis. Compliance testing shall be conducted as the request of the department pursuant to 6 NYCRR 202-1.



Parameter Monitored: PARTICULATES

Upper Permit Limit: 0.05 grains per dscf

Reference Test Method: EPA Method 5

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING

DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST  
METHOD INDICATED

Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE



**STATE ONLY ENFORCEABLE CONDITIONS**

**\*\*\*\* Facility Level \*\*\*\***

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability**

**Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)**

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1), and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

**Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**STATE ONLY APPLICABLE REQUIREMENTS**

**The following conditions are state only enforceable.**



**Condition 71: Contaminant List**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:ECL 19-0301**

**Item 71.1:**

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000067-56-1  
Name: METHYL ALCOHOL

CAS No: 007446-09-5  
Name: SULFUR DIOXIDE

CAS No: 0NY075-00-0  
Name: PARTICULATES

CAS No: 0NY998-00-0  
Name: VOC

**Condition 72: Unavoidable noncompliance and violations**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-1.4**

**Item 72.1:**

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later



than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superseded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

**Condition 73: Emission Unit Definition**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-5**

**Item 73.1:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-BDSLPL

Emission Unit Description:

This emission unit consists of a 10 million gallon per year biodiesel production facility.

Building(s): BPLNT  
OUTSD

**Item 73.2:**

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: 1-BOILS

Emission Unit Description:

This emission unit consists of two 16.3 MMBtu/hr boilers using natural gas as their primary fuel. Each boiler is capable of firing the No. 2 fuel oil and biodiesel.

Building(s): SFACA

**Item 73.3:**

The facility is authorized to perform regulated processes under this permit for:



Emission Unit: 1-CRUSH

Emission Unit Description:

This emission unit consists of a 600 ton per day (tpd) soy and canola seed crushing facility.

Building(s): BPLNT  
CPLNT  
TRBDG

**Condition 74: Air pollution prohibited**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 211.2**

**Item 74.1:**

No person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

**Condition 75: Compliance Demonstration**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 211.2**

**Item 75.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 75.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. The owner and/or operator (permittee) shall install and operate a vapor collection system on the bean/seed crushing plant and oil extraction processes.
2. Prior to commencing construction of any building at this facility, the owner or operator shall submit to the Department floor plans showing the layout of the expellers, extruders and any other potential odor causing devices, and the proposed air collection systems for such devices.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**Condition 76: Compliance Demonstration**



**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 211.2**

**Item 76.1:**

The Compliance Demonstration activity will be performed for the Facility.

**Item 76.2:**

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

1. No later than 60 days prior to commencing operation the permittee shall provide to the department for its review an engineering and cost analysis of the installation and operation of a system for controlling vapors and odors emanating from the bean crushing and oil extraction processes.
2. The permittee shall report to the Department by fax, telephone or e-mail any complaints received at the facility regarding odors emanating therefrom within 2 business days of receipt. Records of any complaints received by the Department in connection with the facility shall be made available to the permittee.
3. In the event that the Department determines that odors emanating from the facility cause an air pollution nuisance (i.e. unreasonably interfere with the comfortable enjoyment of life or property) it shall so notify the permittee in writing, and the permittee shall, within 15 business days of receiving such notification, submit to the Department for its review and approval a plan to implement corrective measures. The plan shall provide for a remedy that will eliminate any nuisance created by such odors. Upon Department approval, the permittee shall implement the plan in accordance with a schedule acceptable to the Department.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

**\*\*\*\* Emission Unit Level \*\*\*\***

**Condition 77:**

**Emission Point Definition By Emission Unit**

**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-5**

**Item 77.1:**



The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-BDSLPL

Emission Point: 00005  
Height (ft.): 15

Diameter (in.): 2

Building: BPLNT

Emission Point: 00006  
Height (ft.): 15

Diameter (in.): 2

Building: BPLNT

**Item 77.2:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-BOILS

Emission Point: 00007  
Height (ft.): 24

Diameter (in.): 24

Building: SFACA

Emission Point: 00008  
Height (ft.): 24

Diameter (in.): 24

Building: SFACA

**Item 77.3:**

The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: 1-CRUSH

Emission Point: 00001  
Height (ft.): 18  
NYTMN (km.): 4716.244

Diameter (in.): 32  
NYTME (km.): 405.817

Building: CPLNT

Emission Point: 00002  
Height (ft.): 18

Diameter (in.): 32

Building: CPLNT

Emission Point: 00003  
Height (ft.): 15

Diameter (in.): 22

Building: CPLNT

Emission Point: 00004  
Height (ft.): 15

Diameter (in.): 22

Building: CPLNT

**Condition 78: Process Definition By Emission Unit**  
**Effective between the dates of 11/14/2008 and Permit Expiration Date**

**Applicable State Requirement:6NYCRR 201-5**

**Item 78.1:**

This permit authorizes the following regulated processes for the cited Emission Unit:



Emission Unit: 1-BDSL

Process: BPA

Process Description:

This process consists of a biodiesel production process line. The vegetable oil, from the crush plant (process CPA and CPB) will be used in the biodiesel production process. The vegetable oil with the addition of methanol and methylate via an esterification (if necessary) followed by a transesterification process will be converted to biodiesel and glycerin.

Emission Source/Control: DC01A - Process

Emission Source/Control: F101A - Process

Emission Source/Control: F101B - Process

Emission Source/Control: F102A - Process

Emission Source/Control: F102B - Process

Emission Source/Control: F103A - Process

Emission Source/Control: F103B - Process

Emission Source/Control: H812A - Process

Emission Source/Control: H812B - Process

Emission Source/Control: HR101 - Process

Emission Source/Control: HR201 - Process

Emission Source/Control: HR202 - Process

Emission Source/Control: HR601 - Process

Emission Source/Control: HR701 - Process

Emission Source/Control: HX101 - Process

Emission Source/Control: HX202 - Process

Emission Source/Control: HX603 - Process

Emission Source/Control: HX701 - Process

Emission Source/Control: HX702 - Process

Emission Source/Control: HX811 - Process

Emission Source/Control: MXR1A - Process



Emission Source/Control: MXR2A - Process  
Emission Source/Control: MXR3A - Process  
Emission Source/Control: P101A - Process  
Emission Source/Control: P101B - Process  
Emission Source/Control: P102A - Process  
Emission Source/Control: P102B - Process  
Emission Source/Control: P402A - Process  
Emission Source/Control: P402B - Process  
Emission Source/Control: P403A - Process  
Emission Source/Control: P403B - Process  
Emission Source/Control: P404A - Process  
Emission Source/Control: P404B - Process  
Emission Source/Control: P405A - Process  
Emission Source/Control: P405B - Process  
Emission Source/Control: PO111 - Process  
Emission Source/Control: PO201 - Process  
Emission Source/Control: PO401 - Process  
Emission Source/Control: PO402 - Process  
Emission Source/Control: PO406 - Process  
Emission Source/Control: PO510 - Process  
Emission Source/Control: PO511 - Process  
Emission Source/Control: PO601 - Process  
Emission Source/Control: PO710 - Process  
Emission Source/Control: PO760 - Process  
Emission Source/Control: PO811 - Process  
Emission Source/Control: PO950 - Process



- Emission Source/Control: RTR1A - Process
- Emission Source/Control: S1R1A - Process
- Emission Source/Control: S2R2A - Process
- Emission Source/Control: SO101 - Process
- Emission Source/Control: SPR1A - Process
- Emission Source/Control: SPR2A - Process
- Emission Source/Control: TK101 - Process
- Emission Source/Control: TK102 - Process
- Emission Source/Control: TK103 - Process
- Emission Source/Control: TK104 - Process
- Emission Source/Control: TK105 - Process
- Emission Source/Control: VCE1A - Process
- Emission Source/Control: VO101 - Process
- Emission Source/Control: VO102 - Process
- Emission Source/Control: VO103 - Process
- Emission Source/Control: VO104 - Process
- Emission Source/Control: VO105 - Process
- Emission Source/Control: VO106 - Process
- Emission Source/Control: VO107 - Process
- Emission Source/Control: VO108 - Process
- Emission Source/Control: VO109 - Process
- Emission Source/Control: VO110 - Process
- Emission Source/Control: VO111 - Process
- Emission Source/Control: VO112 - Process
- Emission Source/Control: VO113 - Process
- Emission Source/Control: VO114 - Process
- Emission Source/Control: VO115 - Process



Emission Source/Control: VO116 - Process

Emission Source/Control: VO117 - Process

**Item 78.2:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BDSLP  
Process: STG Source Classification Code: 4-07-999-99  
Process Description: Methanol, glycerin and biodiesel storage.

Emission Source/Control: BSTR1 - Process

Emission Source/Control: BSTR2 - Process

Emission Source/Control: BSTR3 - Process

Emission Source/Control: GSTR1 - Process

Emission Source/Control: MSTR1 - Process

Emission Source/Control: MSTR2 - Process

**Item 78.3:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO1 Source Classification Code: 1-03-006-02  
Process Description: Boiler #1 firing natural gas as its primary fuel.

Emission Source/Control: BLR01 - Combustion  
Design Capacity: 16.3 million BTUs per hour

**Item 78.4:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO2 Source Classification Code: 1-03-006-02  
Process Description: Boiler #2 firing natural gas as its primary fuel.

Emission Source/Control: BLR02 - Combustion  
Design Capacity: 16.3 million Btu per hour

**Item 78.5:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO3 Source Classification Code: 1-02-005-02  
Process Description: Boiler #1 firing No. 2 fuel oil as a backup fuel.

Emission Source/Control: BLR01 - Combustion  
Design Capacity: 16.3 million BTUs per hour



**Item 78.6:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO4 Source Classification Code: 1-02-005-02  
Process Description: Boiler #2 firing No. 2 fuel oil as a backup fuel.

Emission Source/Control: BLR02 - Combustion  
Design Capacity: 16.3 million Btu per hour

**Item 78.7:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO5 Source Classification Code: 1-02-005-02  
Process Description: Boiler #1 firing biodiesel as a backup fuel.

Emission Source/Control: BLR01 - Combustion  
Design Capacity: 16.3 million BTUs per hour

**Item 78.8:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-BOILS  
Process: BO6 Source Classification Code: 1-02-005-02  
Process Description: Boiler #2 firing biodiesel as a backup fuel.

Emission Source/Control: BLR02 - Combustion  
Design Capacity: 16.3 million Btu per hour

**Item 78.9:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CRUSH  
Process: CPA Source Classification Code: 3-02-019-98  
Process Description:

This process is for a 300 tpd seed crushing process line. Following the grain handling operations the soy or canola beans will be conveyed to an interior conditioning area where they will be de-hulled and cleaned prior to being cracked (or flaked for canola beans). The beans will be subsequently dry heated to break open the oil cells and subsequently dropped into an expeller press to extract the oil. The resulting meal will be moved via screw conveyors to a meal heater to a rotary cooler and then to one of 21 exterior storage silos prior to being transported to local markets via truck. The vegetable oil will be stored in 10 storage tanks located within the biodiesel plant.

Emission Source/Control: CC01A - Control  
Control Type: SINGLE CYCLONE



Emission Source/Control: DCR1A - Process

Emission Source/Control: EP01A - Process

Emission Source/Control: EP02A - Process

Emission Source/Control: EP03A - Process

Emission Source/Control: EP04A - Process

Emission Source/Control: EP05A - Process

Emission Source/Control: EP06A - Process

Emission Source/Control: EXP1A - Process

Emission Source/Control: EXP2A - Process

Emission Source/Control: EXP3A - Process

Emission Source/Control: EXP4A - Process

Emission Source/Control: EXP5A - Process

Emission Source/Control: EXP6A - Process

Emission Source/Control: MC01A - Process

Emission Source/Control: MHTRA - Process

Emission Source/Control: OSC1A - Process

Emission Source/Control: PC01A - Process

Emission Source/Control: PD05A - Process

Emission Source/Control: PD06A - Process

Emission Source/Control: PD07A - Process

Emission Source/Control: PD08A - Process

Emission Source/Control: PD09A - Process

Emission Source/Control: PD10A - Process

Emission Source/Control: RC01A - Process

Emission Source/Control: SCN1A - Process

**Item 78.10:**

This permit authorizes the following regulated processes for the cited Emission Unit:



Emission Unit: 1-CRUSH

Process: CPB

Source Classification Code: 3-02-019-98

Process Description:

This process is for a 300 tpd seed crushing process line. Following the grain handling operations the soy or canola beans will be conveyed to an interior conditioning area where they will be de-hulled and cleaned prior to being cracked (or flaked for canola beans). The beans will be subsequently dry heated to break open the oil cells and subsequently dropped into an expeller press to extract the oil. The resulting meal will be moved via screw conveyors to a meal heater to a rotary cooler and then to one of 21 exterior storage silos prior to being transported to local markets via truck. The vegetable oil will be stored in 10 storage tanks located within the biodiesel plant.

Emission Source/Control: CC01B - Control

Control Type: SINGLE CYCLONE

Emission Source/Control: DCR1B - Process

Emission Source/Control: EP01B - Process

Emission Source/Control: EP02B - Process

Emission Source/Control: EP03B - Process

Emission Source/Control: EP04B - Process

Emission Source/Control: EP05B - Process

Emission Source/Control: EP06B - Process

Emission Source/Control: EXP1B - Process

Emission Source/Control: EXP2B - Process

Emission Source/Control: EXP3B - Process

Emission Source/Control: EXP4B - Process

Emission Source/Control: EXP5B - Process

Emission Source/Control: EXP6B - Process

Emission Source/Control: MC01B - Process

Emission Source/Control: MHTRB - Process

Emission Source/Control: OSC1B - Process

Emission Source/Control: PC01B - Process



Emission Source/Control: PD05B - Process

Emission Source/Control: PD06B - Process

Emission Source/Control: PD07B - Process

Emission Source/Control: PD08B - Process

Emission Source/Control: PD09B - Process

Emission Source/Control: PD10B - Process

Emission Source/Control: RC01B - Process

Emission Source/Control: SCN1B - Process

**Item 78.11:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CRUSH

Process: LDT

Source Classification Code: 3-02-007-82

Process Description: Truck and rail loadout operations.

Emission Source/Control: RLLDT - Process

Emission Source/Control: TKLDT - Process

**Item 78.12:**

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: 1-CRUSH

Process: STR

Source Classification Code: 3-02-019-49

Process Description:

This process consists of vegetable oil storage tanks.

Emission Source/Control: FST01 - Process

Emission Source/Control: FST02 - Process

Emission Source/Control: FST03 - Process

Emission Source/Control: FST04 - Process

Emission Source/Control: FST05 - Process

Emission Source/Control: FST06 - Process

Emission Source/Control: FST07 - Process

Emission Source/Control: FST08 - Process

Emission Source/Control: FST09 - Process



Emission Source/Control: FST10 - Process

Emission Source/Control: FST11 - Process

Emission Source/Control: FST12 - Process

